

Paragon Wireless delivers customizable, cost-effective VoWLAN handsets and solutions, which are readily deployable with a user-friendly interface. Paragon Wireless is funded by leading VC firms and managed by experienced industry leaders. With our first-to-market commercialization of SIP/IMS-based dual mode solutions for both GSM and CDMA, Paragon Wireless addresses the market with an extensive IP portfolio and standards compliant innovations.

ADSL

- Standards: T1.413, G.DMT (992.1), ADSL2, ADSL2+
- Auto-negotiate between T1.413, G.DMT, ADSL2, ADSL2+
- ADSL2+ Extended Bandwidth (24 Mbps)
- 8 Mbps x 1,024 Mbps in G.DMT Mode
- Maximum Number of PVCs Supported

Framing / Encapsulation

- PPPoA
- PPPoE
- RFC 1483 Bridging
- RFC 1483 Routed

IP

- Dynamic IP Support
- Static IP Support (single and Block of IP Addresses, Any Subnet Configuration)
- DHCP Server and Client
- Advanced NAT Engine
- IP Subnets, including All "0's" and All "1's"
- RIP and RIP 2
- DMZ Hosting

Ethernet

- 10/100 Ethernet Auto-Sensing
- Up to 4-Port Ethernet
- Auto-Detect Straight-Through or Crossover

Wireless

- 802.11 b/g
- WEP 40
- 802.1x
- WPA
- Multiple SSID
- RF Power: 20dBm
- Antenna Type: External with Diversity

VoIP Support

- 2 RJ-11 Analog VoIP Ports Built-In (1FXS/1FXO)
- VoIP LED Indicators
- SIP Registrar
- SIP Proxy
- Codec: G.711, G.729a/b, G.723.1, GSM, LPG
- Line Echo Cancellation: G. 168 Compliant
- Voice Activity Detection
- Comfort Noise Generation
- Silence Suppression
- Dynamic Jitter Buffer
- FAX Support
- DTMF Support
- Class of Service through Tagging
- Type of Service

Voice Features

- Provide POTS Failover during Power Failure
- Lifeline Support (Emergency Number Automatically Routed to PSTN)
- Incoming PSTN Calls from FXO Port
- Outgoing PSTN Calls via Special Prefix "#"
- VoIP Call Relay Toward FXO Port

VPN

- VPN Termination (IPSec)
- VPN Termination (PPTP)
- IPSec Pass-through

Filtering/Access Control

- IP Port and Port Range Filtering
- MAC Filtering and Tracking
- Application Filtering (Single and Range) on LAN
- Firewall Logging
- LAN Sub-Grouping and Isolation: Create Isolation between WLAN
- Ethernet Ports, USB Ports
- 802.1x and RADIUS Client

CPE Configuration

- GUI Interface through Web Browser
- SNMP Support
- uPnP
- Telnet
- TFTP
- SSH
- User Firmware Update through Web Interface

LED Status

- Power ON / OFF
- LAN ON: LAN is connected
OFF: Lan is disconnected
Quick Blink: ADSL is in sync
Blink: Data flow through ADSL
ON: Training in progress
OFF: ADSL is out of sync
- WLAN ON: WLAN is on
OFF: WLAN is off
Quick Blink: Data flow through WLAN
- VoIP ON: VoIP Port is ready
OFF: VoIP Port is not registered

